

02/02/01

J1036 U.S. PTO

**UTILITY
PATENT APPLICATION
TRANSMITTAL**(Only for new non-provisional applications under
37CFR §1.53(b))

Attorney Docket No. DBH:8102.002

First Inventor or Application Identifier Mailgeorgos

Title VOLTAGE CONTROLLED QUADRATURE OSCILLATOR WITH PHASE
TUNING

Express Mail Label No. EL619333749US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application
contents.ADDRESS TO: Commissioner for Patents
Box Patent Application
Washington, D.C. 202311. ☒ *Fee Transmittal Form (e.g. PTO/SB/17)
(Submit an original and a duplicate for fee processing)5. ☐ Microfiche Computer Program (Appendix)2. ☒ Specification

Total pages

81

6. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

(preferred arrangement set forth below)

- Descriptive Title of the Invention
- Cross References to Related Applications
- Statement Regarding Federally Sponsored

a. ☐ Computer readable copyb. ☐ Paper copy (identical to computer copy)c. ☐ Statement verifying identity of above

Research

- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

copies

ACCOMPANYING APPLICATION PARTS

3. ☒ Drawing(s) (35 USC 113)

Total Pages

5

7. ☐ Assignment Papers (cover sheet & document(s))8. ☐ 37 CFR §3.73(b) Statement ☐ Power of Attorney
when there is an assignee9. ☐ English translation document (if applicable)

4. Oath or Declaration

Total Pages

3

10. ☐ Information Disclosure Statement (IDS) PTO1449 ☐ Copies of IDS
Citations11. ☐ Preliminary Amendmenta. ☒ Newly executed (original or copy)b. ☐ Copy from a prior application (37 CFR
§1.63(d)) (for continuation/divisional with Box 16
completed)12. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)13. ☒ Applicant claims Small Entity StatusI. ☐ Deletion of Inventor(s)Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR §§1.53(d)(2) and 1.33(b)14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)

* Note for Items 1 & 13: In order to be entitled to
pay small entity fees, a small entity statement is
required (37 CFR §1.27), except if one filed in a prior
application is relied upon (37 CFR §1.28)

15. ☒ Other: Certificate of Mailing by Express Mail16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary
amendment☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Prior application Information: Examiner

Group No./Art Unit

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is
supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is
hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted
from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label

(insert customer number or attach bar code label here)

or ☒ Correspondence address below

Name Donald B. Haslett

Address Chernoff, Vilhauer, McClung & Stenzel, LLP, 1600 ODS Tower, 601 S.W. Second Avenue

City Portland

State

Oregon

ZipCode

97204-3157

Country US

Telephone

(503) 227 5631

FAX

(503) 228 4373

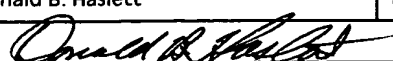
Name (print type)

Donald B. Haslett

Registration No. (Attorney/Agent)

28,855

Signature



Date

February 2, 2001

02-05-01

A

FORM PTO/SB/17 (12-99) (Modified)

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.
Small Entity payments must be supported by a small entity
statement, otherwise large entity fees must be paid. See
Forms PTO/SB/09-12.

See 37 C.F.R. §§ 1.27 and 1.28.

Complete If Known

TOTAL AMOUNT OF PAYMENT	\$355	Application Number	
		Filing Date	2 Feb. 2001
		First Named Inventor	Mallgeorgos, James
		Examiner Name	
		Group/ Art Unit	
		Attorney Docket No.	DBH: 8102.002

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																					
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge the indicated fees and credit any over payments to: Deposit Account Number <u>03-1550</u> Deposit Account Name <u>Chernoff Vilhauer McClung & Stenzel</u> <input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 & 1.17		3. ADDITIONAL FEES Large Entity Small Entity <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td></td><td>65 Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td></td><td>25 Surcharge-late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td></td><td>130 Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td></td><td>2,520 For filing a request for reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td></td><td>920* Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1840*</td><td>113</td><td></td><td>1840* Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td></td><td>55 Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td></td><td>195 Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td></td><td>445 Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td></td><td>695 Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td></td><td>945 Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td></td><td>155 Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td></td><td>155 Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td></td><td>135 Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td></td><td>1,510 Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td></td><td>55 Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td></td><td>620 Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td></td><td>620 Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td></td><td>220 Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td></td><td>300 Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td></td><td>130 Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td></td><td>50 Petitions related to provisional applications</td><td></td></tr> <tr><td>126</td><td>240</td><td>126</td><td></td><td>240 Submission of Information Disclosure Statement</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td></td><td>40 Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td></td><td>355 Filing a submission after final rejection (37 C.F.R. 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td></td><td>355 For each additional invention to be examined (37 C.F.R. 1.129(b))</td><td></td></tr> <tr><td colspan="4">Other (specify)</td><td></td><td></td></tr> <tr><td colspan="4">Other (specify)</td><td></td><td></td></tr> <tr><td colspan="4">* Reduced by Basic Filing Fee Paid</td><td></td><td></td></tr> </tbody> </table>		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	105	130	205		65 Surcharge - late filing fee or oath		127	50	227		25 Surcharge-late provisional filing fee or cover sheet		139	130	139		130 Non-English specification		147	2,520	147		2,520 For filing a request for reexamination		112	920*	112		920* Requesting publication of SIR prior to Examiner action		113	1840*	113		1840* Requesting publication of SIR after Examiner action		115	110	215		55 Extension for reply within first month		116	390	216		195 Extension for reply within second month		117	890	217		445 Extension for reply within third month		118	1,390	218		695 Extension for reply within fourth month		128	1,890	228		945 Extension for reply within fifth month		119	310	219		155 Notice of Appeal		120	310	220		155 Filing a brief in support of an appeal		121	270	221		135 Request for oral hearing		138	1,510	138		1,510 Petition to institute a public use proceeding		140	110	240		55 Petition to revive - unavoidable		141	1,240	241		620 Petition to revive - unintentional		142	1,240	242		620 Utility issue fee (or reissue)		143	440	243		220 Design issue fee		144	600	244		300 Plant issue fee		122	130	122		130 Petitions to the Commissioner		123	50	123		50 Petitions related to provisional applications		126	240	126		240 Submission of Information Disclosure Statement		581	40	581		40 Recording each patent assignment per property (times number of properties)		146	710	246		355 Filing a submission after final rejection (37 C.F.R. 1.129(a))		149	710	249		355 For each additional invention to be examined (37 C.F.R. 1.129(b))		Other (specify)						Other (specify)						* Reduced by Basic Filing Fee Paid					
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																		
105	130	205		65 Surcharge - late filing fee or oath																																																																																																																																																																																			
127	50	227		25 Surcharge-late provisional filing fee or cover sheet																																																																																																																																																																																			
139	130	139		130 Non-English specification																																																																																																																																																																																			
147	2,520	147		2,520 For filing a request for reexamination																																																																																																																																																																																			
112	920*	112		920* Requesting publication of SIR prior to Examiner action																																																																																																																																																																																			
113	1840*	113		1840* Requesting publication of SIR after Examiner action																																																																																																																																																																																			
115	110	215		55 Extension for reply within first month																																																																																																																																																																																			
116	390	216		195 Extension for reply within second month																																																																																																																																																																																			
117	890	217		445 Extension for reply within third month																																																																																																																																																																																			
118	1,390	218		695 Extension for reply within fourth month																																																																																																																																																																																			
128	1,890	228		945 Extension for reply within fifth month																																																																																																																																																																																			
119	310	219		155 Notice of Appeal																																																																																																																																																																																			
120	310	220		155 Filing a brief in support of an appeal																																																																																																																																																																																			
121	270	221		135 Request for oral hearing																																																																																																																																																																																			
138	1,510	138		1,510 Petition to institute a public use proceeding																																																																																																																																																																																			
140	110	240		55 Petition to revive - unavoidable																																																																																																																																																																																			
141	1,240	241		620 Petition to revive - unintentional																																																																																																																																																																																			
142	1,240	242		620 Utility issue fee (or reissue)																																																																																																																																																																																			
143	440	243		220 Design issue fee																																																																																																																																																																																			
144	600	244		300 Plant issue fee																																																																																																																																																																																			
122	130	122		130 Petitions to the Commissioner																																																																																																																																																																																			
123	50	123		50 Petitions related to provisional applications																																																																																																																																																																																			
126	240	126		240 Submission of Information Disclosure Statement																																																																																																																																																																																			
581	40	581		40 Recording each patent assignment per property (times number of properties)																																																																																																																																																																																			
146	710	246		355 Filing a submission after final rejection (37 C.F.R. 1.129(a))																																																																																																																																																																																			
149	710	249		355 For each additional invention to be examined (37 C.F.R. 1.129(b))																																																																																																																																																																																			
Other (specify)																																																																																																																																																																																							
Other (specify)																																																																																																																																																																																							
* Reduced by Basic Filing Fee Paid																																																																																																																																																																																							
2. <input checked="" type="checkbox"/> Payment Enclosed <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		SUBTOTAL (1) \$355																																																																																																																																																																																					
1. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Entity Fee Code</th> <th>Small Entity Fee Code</th> <th>Fee (\$)</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>355</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table>		Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid	101	710	201	355	Utility filing fee	355	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Indep. Claims</th> <th>Multiple Dependent</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>3</td><td>1</td><td></td><td>-20* = 0</td><td>X</td><td>0</td></tr> <tr><td></td><td></td><td></td><td>-3* = 0</td><td>X</td><td>0</td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>0</td></tr> </tbody> </table> <p>*or number of previously paid, if greater. For reissues, see below.</p>		Total Claims	Indep. Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid	3	1		-20* = 0	X	0				-3* = 0	X	0						0																																																																																																																								
Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																		
101	710	201	355	Utility filing fee	355																																																																																																																																																																																		
106	320	206	160	Design filing fee																																																																																																																																																																																			
107	490	207	245	Plant filing fee																																																																																																																																																																																			
108	710	208	355	Reissue filing fee																																																																																																																																																																																			
114	150	214	75	Provisional filing fee																																																																																																																																																																																			
Total Claims	Indep. Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																		
3	1		-20* = 0	X	0																																																																																																																																																																																		
			-3* = 0	X	0																																																																																																																																																																																		
					0																																																																																																																																																																																		
Large Entity Small Entity <table border="1"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>*Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>*Reissue claims in excess of 20 and over original patent</td></tr> </tbody> </table>		Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	80	202	40	Independent claims in excess of 3	104	270	204	135	Multiple dependent claim, if not paid	109	80	209	40	*Reissue independent claims over original patent	110	18	210	9	*Reissue claims in excess of 20 and over original patent	SUBTOTAL (2) 0																																																																																																																																																							
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description																																																																																																																																																																																			
103	18	203	9	Claims in excess of 20																																																																																																																																																																																			
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																																			
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																																																			
109	80	209	40	*Reissue independent claims over original patent																																																																																																																																																																																			
110	18	210	9	*Reissue claims in excess of 20 and over original patent																																																																																																																																																																																			
SUBMITTED BY		Complete (if applicable)																																																																																																																																																																																					
Name (print type)	Donald B. Haslett	Registration No.	28,855																																																																																																																																																																																				
Signature	<i>Donald B. Haslett</i>	Telephone	(503) 227-5631																																																																																																																																																																																				
		Date	February 2, 2001																																																																																																																																																																																				

02/02/01

039769960004

CERTIFICATE OF MAILING

BY "EXPRESS MAIL"



Express Mail No.: EL619333749US

Date of Deposit : February 2, 2001

I hereby certify that the utility patent application attached hereto entitled VOLTAGE CONTROLLED QUADRATURE OSCILLATOR WITH PHASE TUNING, James Maligeorgos, inventor, together with a Utility Patent Application Transmittal Form PTO/SB/05, and drawings (5 sheets), is being deposited with the United States Postal Service "Express Mail to Addressee" on the date indicated above and is addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231.


Dwight Bergquist-Moody

EL619333749US

09/76392 02001